

12-27-01 A

Please type a plus sign (+) inside this box → PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	Huang 3-8-3-2-2-25-5/75093.21
First Inventor	Huang, Robert YS
Title	Mask Layer and Dual Damascene Fabrication/ Interconnect Structure/Semiconductor Device
Express Mail Label No.	EL 896195149 US

1050 U.S. PATENT & TRADEMARK OFFICE  
10/02/2001  
12/21/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 17]  
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 9 ]

5. Oath or Declaration [ Total Pages ]

a.  Newly executed (original or copy)

b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)

- i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other:  Express Mail Certificate

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_

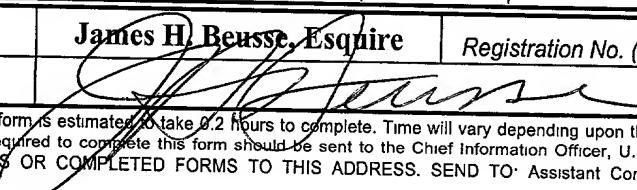
Prior application information:

Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here)		<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below
Name			
Address			
City	State	Zip Code	
Country	USA	Telephone	407-926-7701
Name (Print/Type)	James H. Beusse, Esquire	Registration No. (Attorney/Agent)	21,115
Signature			Date 12/21/2001

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# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 746.00)

## Complete if Known

Application Number	Not Assigned
Filing Date	Simultaneously Herewith
First Named Inventor	Huang, Robert YS
Examiner Name	Not Assigned
Group Art Unit	Not Assigned
Attorney Docket No.	Huang 3-8-3-2-2-25-5/75903.21

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **50-1735**

Deposit Account Name

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 690	201 345	Utility filing fee		<b>710.00</b>	
106 310	206 155	Design filing fee			
107 480	207 240	Plant filing fee			
108 690	208 345	Reissue filing fee			
114 150	214 75	Provisional filing fee			

SUBTOTAL (1) (\$ 710.00)

## 2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	<b>22</b>	-20** = <b>2</b> x <b>18.00</b>	= <b>36.00</b>
Independent Claims	<b>3</b>	- 3** = <b>0</b> x <b>0</b>	= <b>0</b>
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 78	202 39	Independent claims in excess of 3
104 260	204 130	Multiple dependent claim, if not paid
109 78	209 39	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 36.00)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath			
127 50	227 25	Surcharge - late provisional filing fee or cover sheet			
139 130	139 130	Non-English specification			
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination			
112 920*	112 920*	Requesting publication of SIR prior to Examiner action			
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action			
115 110	215 55	Extension for reply within first month			
116 380	216 190	Extension for reply within second month			
117 870	217 435	Extension for reply within third month			
118 1,360	218 680	Extension for reply within fourth month			
128 1,850	228 925	Extension for reply within fifth month			
119 300	219 150	Notice of Appeal			
120 300	220 150	Filing a brief in support of an appeal			
121 260	221 130	Request for oral hearing			
138 1,510	138 1,510	Petition to institute a public use proceeding			
140 110	240 55	Petition to revive - unavoidable			
141 1,210	241 605	Petition to revive - unintentional			
142 1,210	242 605	Utility issue fee (or reissue)			
143 430	243 215	Design issue fee			
144 580	244 290	Plant issue fee			
122 130	122 130	Petitions to the Commissioner			
123 50	123 50	Petitions related to provisional applications			
126 240	126 240	Submission of Information Disclosure Stmt			
581 40	581 40	Recording each patent assignment per property (times number of properties)			
146 690	246 345	Filing a submission after final rejection (37 CFR § 1.129(a))			
149 690	249 345	For each additional invention to be examined (37 CFR § 1.129(b))			
179 690	279 345	Request for Continued Examination (RCE)			
169 900	169 900	Request for expedited examination of a design application			

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	James H. Beusse, Esquire	Registration No. (Attorney/Agent)	27,115	Telephone	(407) 926-7701
Signature				Date	December 21, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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VIA EXPRESS MAIL EL 896195149 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
 )  
Applicant: Robert YS Huang, et al. )  
 )  
Serial No.: Submitted Herewith )  
 )  
Filing Date: Submitted Herewith )  
 )  
For: A MASK LAYER AND DUAL )  
DAMASCENE INTERCONNECT )  
STRUCTURE IN A )  
SEMICONDUCTOR DEVICE )  
 )

Commissioner of Patents  
Box PATENT APPLICATION  
Post Office Box 2327  
Arlington, Virginia 22202

Sir:

**EXPRESS MAIL # EL 896195149 US**

**Date of Deposit: December 21, 2001**

I hereby certify that the attached Utility Patent Application was deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner of Patents, Box PATENT APPLICATION, Post Office Box 2327, Arlington, Virginia 22202.

Gwendolyn Ramsey  
Gwendolyn C. Ramsey